



DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **VLIW COMPUTER PROCESSING ARCHITECTURE WITH ON-CHIP DRAM USABLE AS PHYSICAL MEMORY OR CACHE MEMORY** the specification of which was filed on March 8, 2001 as Appl. No. 09/802,017.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below

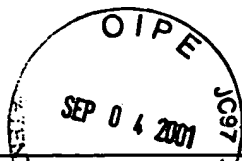
Application No.	Filing Date
60/187,687	March 8, 2000

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status

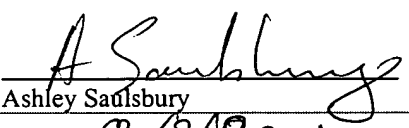
RECEIVED
OCT 19 2001
Technology Center 2100

Full Name of Inventor 1:	Last Name: SAULSBURY	First Name: ASHLEY	Middle Name or Initial:	
Residence & Citizenship:	City: Los Gatos	State/Foreign Country: California	Country of Citizenship: United Kingdom	
Post Office Address:	Post Office Address: 18488 Grizzly Rock Road	City: Los Gatos	State/Country: California	Postal Code: 95033
Full Name of Inventor 2:	Last Name: NETTLETON	First Name: NYLES	Middle Name or Initial:	
Residence & Citizenship:	City: Campbell	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 1368 Hacienda Court	City: Campbell	State/Country: California	Postal Code: 95008

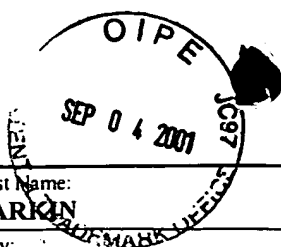


Full Name of Inventor 3:	Last Name: PARKIN	First Name: MICHAEL	Middle Name or Initial:	
Residence & Citizenship:	City: Palo Alto	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 4277 Mackay Drive	City: Palo Alto	State/Country: California	Postal Code: 94306
Full Name of Inventor 4:	Last Name: EMBERSON	First Name: DAVID	Middle Name or Initial: R.	
Residence & Citizenship:	City: Santa Cruz	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 300 Moore Creek Road	City: Santa Cruz	State/Country: California	Postal Code: 95060

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Ashley Saulsbury	Signature of Inventor 2 _____ Nyles Nettleton	Signature of Inventor 3 _____ Michael Parkin
Date 8/3/2001	Date	Date
Signature of Inventor 4 _____ David R. Emberson		
Date		

RECEIVED
OCT 19 2001
Technology Center 2100



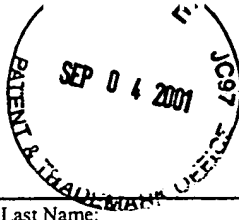
Attorney Docket No.: 16747-009910US
Client Reference No.: P2404/US

Full Name of Inventor 3:	Last Name: PARKIN	First Name: MICHAEL	Middle Name or Initial:	
Residence & Citizenship:	City: Palo Alto	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 4277 Mackay Drive	City: Palo Alto	State/Country: California	Postal Code: 94306
Full Name of Inventor 4:	Last Name: EMBERSON	First Name: DAVID	Middle Name or Initial: R.	
Residence & Citizenship:	City: Santa Cruz	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 300 Moore Creek Road	City: Santa Cruz	State/Country: California	Postal Code: 95060

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 _____ Ashley Saulsbury	Signature of Inventor 2 _____ Nyles Nettleton	Signature of Inventor 3 _____ Michael Parkin
Date	Date 7-27-2001	Date
Signature of Inventor 4 _____ David R. Emberson		
Date		


RECEIVED
OCT 19 2001
Technology Center 2100



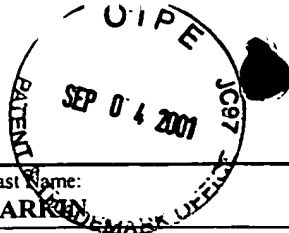
Attorney Docket No.: 16747-009910US
Client Reference No.: P2404/US

Full Name of Inventor 3:	Last Name: PARKIN	First Name: MICHAEL	Middle Name or Initial:	
Residence & Citizenship:	City: Palo Alto	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 4277 Mackay Drive	City: Palo Alto	State/Country: California	Postal Code: 94306
Full Name of Inventor 4:	Last Name: EMBERSON	First Name: DAVID	Middle Name or Initial: R.	
Residence & Citizenship:	City: Santa Cruz	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 300 Moore Creek Road	City: Santa Cruz	State/Country: California	Postal Code: 95060

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 _____ Ashley Saulsbury	Signature of Inventor 2 _____ Nyles Nettleton	Signature of Inventor 3  _____ Michael Parkin
Date	Date	Date 6/9/01
Signature of Inventor 4 _____ David R. Emberson		
Date		

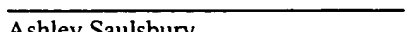
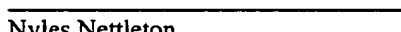
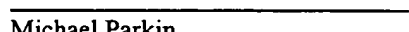
RECEIVED
OCT 19 2001
Technology Center 2100

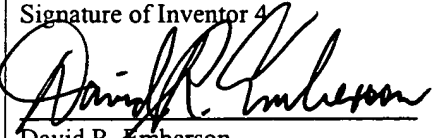


Attorney Docket No.: 16747-009910US
Client Reference No.: P2404/US

Full Name of Inventor 3:	Last Name: PARKIN	First Name: MICHAEL	Middle Name or Initial:	
Residence & Citizenship:	City: Palo Alto	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 4277 Mackay Drive	City: Palo Alto	State/Country: California	Postal Code: 94306
Full Name of Inventor 4:	Last Name: EMBERSON	First Name: DAVID	Middle Name or Initial: R.	
Residence & Citizenship:	City: Santa Cruz	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 300 Moore Creek Road	City: Santa Cruz	State/Country: California	Postal Code: 95060

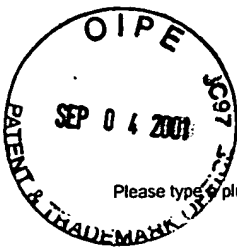
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2	Signature of Inventor 3
		
Ashley Saulsbury	Nyles Nettleton	Michael Parkin
Date	Date	Date

Signature of Inventor 4

David R. Emberson
Date 8/17/2001

RECEIVED
OCT 19 2001
Technology Center 2100

DE 7034969 v1



Please type plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)
Approved for use through 10/31/2002. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	09/802,017
Filing Date	March 8, 2001
First Named Inventor	Saulsbury
Title	VLIW COMPUTER PROCESSING ARCHITECTURE WITH ON-CHIP DRAM USABLE AS PHYSICAL MEMORY OR CACHE MEMORY
Group Art Unit	2183
Examiner Name	Not Yet Assigned
Attorney Docket Number	16747-009910US

I hereby appoint:

☒ Practitioners at Customer Number
AND

20350

Place Customer
Number Bar Code
Label here

☒ Practitioner(s) named below:

Name	Registration Number
Kenneth Olson	26,493
Timothy J. Crean	37,116
Alexander E. Silverman	37,940
Anirma R. Gupta	38,275
Sean P. Lewis	42,798
Michael J. Schallop	44,319
Bernice B. Chen	42,403
Noreen A. Krall	39,734
Richard J. Lutton	39,756
Monica D. Ward	40,696
Marc D. Foodman	34,110
Naren Chaganti	44,602
Elaine Lee	41,936
Hugh H. Matsubayashi	43,779
Paul D. Sorkin	39,039
Marilyn E. Glaubenslee	35,521
Ramin Aghevli	43,462
Andrew C. Chen	43,544
Jeffrey L. Myers	44,252

RECEIVED
OCT 19 2001
Technology Center 2100

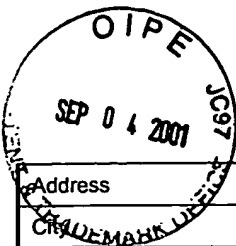
as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.
OR

☐ Firm or
Individual Name

Address



Address			
City	State	ZIP	
Country			
Telephone	Fax		
I am the: <input type="checkbox"/> Applicant/Inventor. <input checked="" type="checkbox"/> Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).			
SIGNATURE of Applicant or Assignee of Record			
Name	Kenneth Olson, Vice President, Intellectual Property SUN Microsystems, Inc.		
Signature			
Date	July 12, 2001		
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.			
<input checked="" type="checkbox"/> *Total of one form is submitted.			

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
DE 7042242 v1

RECEIVED
OCT 19 2001
Technology Center 2100

SEP 04 2001
OALB
JCS
U.S. PATENT AND TRADEMARK OFFICE

B: 44AM

NO. 079 P. 3

Approved for use through 3/1/2002. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Ashley Saulsbury et al.

Application No./Patent No.: 09/802,017

Filed/Issue Date: March 8, 2001

Entitled: VLIW COMPUTER PROCESSING ARCHITECTURE WITH ON-CHIP DRAM USABLE AS PHYSICAL MEMORY OR CACHE MEMORY

Sun Microsystems, Inc.

a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

In the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office, for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____

To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____

To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____

To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

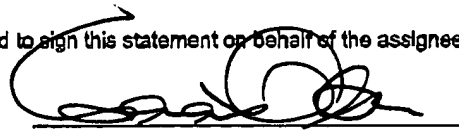
☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

August 27, 2001

Date



Signature

Kenneth Olsen

Typed or printed name

Vice President, Intellectual Property

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7042240 v1

Technology Center 2100

OCT 19 2001

RECEIVED